

Systems Engineering and Architecture Compliance (23 CFR 940.11) Checklist

Prior to design for all federally funded Intelligent Transportation Systems (ITS) projects, a Systems Engineering and Architecture Compliance Checklist or Report (depending on the complexity of the project) must be submitted to the Federal Highway Administration (FHWA) as part of the Federal Authorization paperwork. Prior to FHWA submittal, this Checklist needs to be completed and submitted to Arizona Department of Transportation (ADOT) Transportation Technology Group (TTG) Manager for review and approval. This Checklist is in lieu of a Systems Engineering Report.

Secti	on 1 – Project Information					
1.1a ADOT Project Manager and Conta	ct Information:					
1.1b Consultant Project Manager and C	1b Consultant Project Manager and Contact Information:					
1.1c Local Public Agency Project Mana	ger and Contact Information or Not applicable					
1.2 Project Location:						
1.3 ADOT TRACS Number:	Federal-aid Project Number:					
1.4 Project Description, Title, and Typ	e of Work:					
1.5 Funding and source of each (inclu	ding State and Federal):					
Fiscal Year: 20						
Other (Please Specify)						
1.6 Nature of Work (select all appropriate of the second select all appropriate of the second second second select all appropriate of the second seco						
Software/Integration Construction	Planning Equipment Upgrades					
Operations	Preliminary Engineering					
Evaluations	Other (Please Specify):					
	or Statewide Architecture Conformance					
Search through the regional or statewide architecture to						
- confirm that the project is in conformance and to						
 identify the user services and service packages in the project. Review the National Architecture Service user services and service packages if needed. 						
2.1 Regional or Statewide Architectur						
MAG PAG	<u>Statewide</u>					



	<u>User Services Implemented:</u>
	Travel and Traffic Management Emergency Management
	Public Transportation Management Advanced Vehicle Safety
	Electronic Payment Information Management
	Commercial Vehicle Operations Maintenance and Construction Management
2.3	Service Packages Implemented:
2.4	Changes recommended to Regional or Statewide Architecture?
	Yes No
	If "Yes", please specify and provide detail:
	Section 3 - Participating Agencies and their Roles
3.1	Lead Agency:
3.2	Participating Agencies:
3.3	Is an Intergovernmental Agreement (IGA/JPA) Needed for this Project?
	Existing To be Developed IGA # No
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4.1	Please describe operational and budgetary relationships: Section 4 – Requirements Definitions and Alternatives Analysis
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4.2	Project Documentation		
	Existing	Existing to Be Modified To be Developed	Comment/Document Reference
	Feasibility Study		
	Alternative Analysis		
	Concept of Operations		
	Requirements Design / Post Design		
		Section 5 –	Procurement
5.1	Procurement Methods: Construction Contract Request for Proposal Invitation to Bid	[Procurement Contract Other (Please Specify):
5.2	Equipment to be purchased:		
5.3	Procurement Contract Numbers	to be used: p	procure.az.gov (if using existing contract)



Section 6 – ITS Standards					
6.1	Which specific National	TS Sta	<u>ndards</u>	will be	used in this project such as NTCIP and IEEE?
	If no National ITS Stand	ards ca	an be id	entifie	d please explain why not:
		S	ection	7 – 9	Systems Testing
7.1	Systems Testing Docume			,	
	, ,				
	System Test Plan	Existing	Existing to Be Modified	To be Developed	Comment/Document Reference
	System Validation				
					erational Resources
8.1	Procedures and Resourc	es nee	ded for	Opera	tion:



	Section 9 - Schedule			
9.1	Expected Completion Date:			
9.2	Relationship to Other Federal, State, County, and Local Projects and Phases: (within TIP and/or 5 year program)			
	Section 10 – Strategic Plans for System Update			
10.1	Plans for system upgrade and lifecycle ("✔" appropriate box)			
	System Update Plan Comment/Document Reference Comment/Document Reference			
	Section 11 - Completed and Approved			
11.1	Consultant's Name and Date Name Date			
11 2	ADOT Transportation Technology Group Manager Signature and Date			
11.2	Signature Date			